

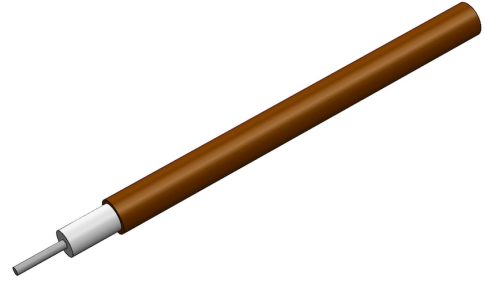
# .086 Coaxial Cable – 50 Ω Semi-Rigid Copper – Phase-Stable



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EZ-PT86

∅.086" Semi-Rigid Copper Outer Conductor, SPC Center Conductor, Fluoropolymer Dielectric, 50 Ω. Phase-Stable.



## Specifications

### DIMENSIONS

Center Conductor Diameter	0.0226 in
Dielectric Diameter	0.0660 in
Outer Conductor Diameter	0.0860 in

### MATERIALS

Center Conductor Material	SPC
Dielectric Material	Fluoropolymer
Outer Conductor Material	Copper
RoHS Compliant	Yes

### MECHANICAL CHARACTERISTICS

Minimum Temperature	-55 °C
Maximum Temperature	+125 °C
Inside Bend Radius (Minimum)	0.250 in
Weight	1.40 lbs per 100 ft

### ELECTRICAL CHARACTERISTICS

Nominal Impedance	50.0 Ω
Nominal Impedance Margin	±2.5 Ω
Velocity of Propagation	78.00%
Shielding Effectiveness	>165 db
Voltage Withstanding	5000 VRMS @ 60 Hz
Continuous Working Voltage	2000 VRMS max
Maximum Operating Frequency	66 GHz

### Attenuation

FREQUENCY	DB / 100 FT TYPICAL
0.5 GHZ	14 db
1.0 GHZ	20.01 db
5.0 GHZ	45 db
10.0 GHZ	65 db
18.0 GHZ	93 db

### Power

FREQUENCY	WATTS CW @ 20 °C (MAX)
0.5 GHZ	300 W
1.0 GHZ	235 W
5.0 GHZ	105 W
10.0 GHZ	73 W
18.0 GHZ	54 W